



This document includes Appendix A: Adjustment of Cost Estimates to 1999 \$ DDG 51 Representative Vessel Class, of the Draft EPA Report "Surface Vessel Bilgewater/Oil Water Separator Feasibility Impact Analysis Report" published in 2003. The reference number is: EPA-842-D-06-019

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Feasibility Impact Analysis Report
Surface Vessel Bilgewater/Oil Water
Separator

Appendix A: Adjustment of Cost Estimates to 1999 \$ DDG 51
Representative Vessel Class

2003

Appendix A – Adjustment of Cost Estimates to 1999 \$

DDG 51 Representative Vessel Class

Cost Estimate Description	Estimate Base-Year	Estimate in Base-Year \$	Price Adjustment Factor¹	Estimate Adjusted to 1999 \$	Estimate (Adj) in Sig.Figs.
Centrifuge Procurement Cost	2000	143,000	.966	138,138	138,000
Centrifuge Installation Cost	2000	71,900	.966	69,455.4	69,460
Centrifuge Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Centrifuge Technical Drawing Cost	2000	23,000	.966	22,218	22,220
Centrifuge Training Material Cost	2001	10,000	.933	9,330	9,330
Hydrocyclone Procurement Cost	2000	7,900	.966	7,631.4	7,600
Hydrocyclone Installation Cost	2000	54,600	.966	52,743.6	52,740
Hydrocyclone Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Hydrocyclone Technical Drawing Cost	2000	19,000	.966	18,354	18,350
Hydrocyclone Training Material Cost	2001	10,000	.933	9,330	9,330
Filter Media Procurement Cost	1997	15,000	1.045	15,675	16,000
Filter Media Installation Cost	2000	68,500	.966	66,171	66,170
Filter Media Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Filter Media Technical Drawing Cost	2000	15,000	.966	14,490	14,490

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Cost Estimate Description	Estimate Base-Year	Estimate in Base-Year \$	Price Adjustment Factor¹	Estimate Adjusted to 1999 \$	Estimate (Adj) in Sig.Figs.
Filter Media Training Material Cost	2001	10,000	.933	9,330	9,330
UF Membrane Procurement Cost	1999	200,000	1.0	200,000	200,000
UF Membrane Installation Cost	2000	77,500	.966	74,865	74,870
UF Membrane Technical Manual Cost	1999	85,000	1.0	85,000	85,000
UF Membrane Technical Drawing Cost	2000	23,000	.966	22,218	22,220
UF Membrane Training Material Cost	2001	10,000	.933	9,330	9,330

1. Consumer Price Index - All Urban Consumers, not seasonally adjusted, U.S. city average, all items. Data extracted on May 23, 2001 from Bureau of Labor Statistics <<http://stats.bls.gov/cpihome.html>>.